

(19) World Intellectual Property
Organization
International Bureau



12 APR 2005



(43) International Publication Date
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number
WO 2004/036661 A3

- (51) International Patent Classification⁷: **H01L 33/00**, C08K 3/00, C08L 77/10, 71/00, 81/06, 79/08 // (C08K 3/00, 3:00, 3:04)
- (21) International Application Number:
PCT/US2003/032603
- (22) International Filing Date: 15 October 2003 (15.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/418,184 15 October 2002 (15.10.2002) US
- (71) Applicant (for all designated States except US): **SOLVAY ADVANCED POLYMERS, LLC** [US/US]; 4500 McGinnis Ferry Road, Alpharetta, GA 30005 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BERSTED, Bruce, H.** [US/US]; 880 Ramsden Run, Alpharetta, GA 30022 (US). **SEET, Ernest** [SG/SG]; Solvay Asia Pacific PTE Ltd, 8 Cross Street #24-01, PWC Building, Singapore 048424 (SG). **HSIAO, Eric** [CN/—]; 8F-7, No. 293, WoLung Street, Taipei, Taiwan (TW). **MASSILLON, Henri** [BE/BE]; Solvay Research and Technology Center, Rue de Ransbeck, 310, B-1120 Brussels (BE).
- (74) Agent: **SACHAR, Surinder**; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, VA 22314 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
10 June 2004
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANTI-YELLOWING POLYCONDENSATION POLYMER COMPOSITIONS AND ARTICLES

(57) Abstract: A composition, having an improved resistance to yellowing under heat aging, comprising at least 20 weight % of at least one polycondensation polymer having a heat deflection temperature of above 80 °C under a load of 1.82 MPa when measured according to ASTM D648, from 0 to 5 weight % of at least one polymer having a heat deflection temperature of at most 80 °C under a load of 1.82 MPa when measured according to ASTM D648, a white pigment; and a black pigment provides resistance to heat aging induced yellowing. The polycondensation polymers are advantageously selected from the group consisting of polyarylethersulfones, at least partially aromatic polyamides, polyamideimides, liquid crystalline polymers, polyimides, polyetherimides, polyaryletherketones, and polyphenylene sulfides. The polymer composition can be molded to form a variety of articles, including LED components, such as reflectors, reflector cups, and scramblers.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/03/32603

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L33/00 C08K3/00 C08L77/10 C08L71/00 C08L81/06
C08L79/08
/(C08K3/00,3:00,3:04)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

19 April 2004

Date of mailing of the international search report

28/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bergmans, K

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